

# SUPPLEMENTAL INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	10/764,012
Filing Date	January 23, 2004
First Named Inventor	Wade Brown
Art Unit	1772
Examiner	Alicia Chevalier
Attorney Docket No.	CBOARD.001A

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
IAC/	A	Deposition of Thomas E. Jurgensen, pp. 1-407 (01-09-06) – Redacted	
	B	Deposition of Daniel Klempner, pp. 1-120 (01-06-06) – Redacted	
	C	Summary of Opinions, Daniel Klempner, pp. 1-11 (01-04-06)	
	D	Deposition of John R Taylor, pp. 1-388 (12-07-05) – Redacted	
	E	Deposition of Fyodor Shutov Vol. 1, pp. 1-312 (12-15-05) – Redacted	
	F	Deposition of Fyodor Shutov Vol. 2, pp. 1-182 (12-28-05) – Redacted	
	G	Deposition of Wade Brown Vol. 1, pp. 1-212 (11-17-05) – Redacted	
	H	Deposition of Wade Brown Vol. 2, pp. 1-256 (11-18-05) – Redacted	
	I	Deposition of Wade Brown Vol. 3, pp. 1-302 (11-21-05) – Redacted	
	J	Deposition of Edward J. Butteriss Volume 1, pp. 1-501 (12-16-2005)	
	K	Deposition of Edward J. Butteriss Volume 2, pp. 1-195 (12-28-2005)	
	L	Deposition of Zachary R. Taylor Volume 1, pp. 1-221 (12-29-2005) – Redacted	
IAC/	M	Deposition of Zachary R. Taylor Volume 2, pp. 1-285 (01-05-2006) - Redacted	

3672663/knr  
041907

Examiner Signature /Alicia Chevalier/

Date Considered 07/23/2007

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> Place a check mark in this area when an English language Translation is attached.

<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/764,012
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
	Examiner	Alicia Chevalier
SHEET 1 OF 1	Attorney Docket No.	CBOARD.001A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
/AC/	1	BAYER MATERIAL SCIENCE, Product Index – Polyurethane Raw Materials Prepolymers and Systems (2006)	
/AC/	2	BAYER MATERIAL SCIENCE, Multanol 4035 – Polyether Polyol, CAS No. 9049-71-2, Product Code: K114 (1997)	
/AC/	3	BAYER MATERIAL SCIENCE, Arcol LG-56 – Polyether Polyol, CAS No. 25791-98-2, Product Code: KLLG56 (2003)	
/AC/	4	BAYER MATERIAL SCIENCE, Multanol 3900 – Polyether Polyol (2006)	

3339238/knr  
012307

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
<b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/764,012
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
(Multiple sheets used when necessary)	Examiner	Alicia Chevalier
SHEET 1 OF 4	Attorney Docket No.	CBOARD.001A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
IACI	1	2006/0045899 A1	03-02-2006	Sarangapani	
	2	6,979,704 B1	12-27-2005	Mayer et al.	
	3	6,903,156 B2	06-07-2005	Müller et al.	
	4	2004/0266993 A1	12-30-2004	Evans	
	5	2003/158365 A1	08-21-2003	Brauer et al.	
	6	6,552,660 B1	04-22-2003	Lisowski	
	7	2003/0021915 A1	01-30-2003	Rohatgi et al.	
	8	6,258,917 B1	07-10-2001	Slagel	
	9	6,257,644 B1	07-10-2001	Young	
	10	6,257,643 B1	07-10-2001	Young	
	11	6,204,312 B1	03-20-2001	Taylor	
	12	RE37,095	03-13-2001	Glorioso et al.	
	13	5,981,655	11-09-1999	Heidingsfeld et al.	
	14	5,817,402	10-06-1998	Miyake et al.	
	15	5,811,506	09-22-1998	Slagel	
	16	5,783,629	07-21-1998	Srinivasan et al.	
	17	5,760,133	06-02-1998	Heidingsfeld et al.	
	18	5,696,205	12-09-1997	Müller et al.	
	19	5,688,890	11-18-1997	Ishiguro et al.	
	20	5,643,516	07-01-1997	Raza et al.	
	21	5,532,065	07-02-1996	Gübitz et al.	
	22	5,331,044	07-19-1994	Lausberg et al.	
	23	5,185,420	02-09-1993	Smith et al.	
	24	5,096,993	03-17-1992	Smith et al.	
	25	5,028,648	07-02-1991	Famili et al.	
	26	4,895,352	01-23-1990	Stumpf	
	27	4,780,498	10-25-1988	Goerrissen et al.	
IACI	28	4,595,709	06-17-1986	Reischl	

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
<b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/764,012
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
(Multiple sheets used when necessary)	Examiner	Alicia Chevalier
SHEET 2 OF 4	Attorney Docket No.	CBOARD.001A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
/AC/	29	4,397,983	08-09-1983	Hill et al.	
	30	4,338,422	07-06-1982	Jackson, Jr. et al.	
	31	4,243,755	01-06-1981	Marx et al.	
	32	4,163,824	08-07-1979	Saidla	
	33	4,073,840	02-14-1978	Saidla	
	34	3,819,574	06-25-1974	Brown et al.	
/AC/	35	3,698,731	10-17-1972	Jost et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
/AC/	36	WO 2005/094255	10-13-2005	Thompson et al.		
	37	WO 2005/056267	06-23-2005	Mizone et al.		Abstract Only
	38	WO 2005/053938	06-16-2005	Hilmer et al.		Abstract Only
	39	WO 2004/078900	09-16-2004	Nekmard et al.		
	40	WO 02/01530	01-03-2002	Lisowski		
	41	WO 00/17249	03-30-2000	Slagel		
	42	WO 97/44373	11-27-1997	Slagel		
	43	WO 94/27697	12-08-1994	Sutton		
	44	WO 94/25529	11-10-1994	Ishiguro et al.		Abstract Only
	45	WO 93/24549	12-09-1993	Smith et al.		
	46	WO 93/19110	09-30-1993	Smith et al.		
	47	WO 92/07892	05-14-1992	Smith et al.		
	48	WO 87/05541	09-24-1987	Frisch et al.		
/AC/	49	WO 81/03026	10-29-1981	Megna		

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
--------------------	--------------------	-----------------	------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/764,012
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
	Examiner	Alicia Chevalier
SHEET 3 OF 4	Attorney Docket No.	CBOARD.001A

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
IACI	50	Tenibac-Graphion, Inc., Texturing Technologists, Brochure, October 1, 1997	
	<del>51</del>	<del>BAYER AG, Bayferrox Iron Oxide Pigments: Manufacturing, Properties and Application Recommendations</del>	
IACI	52	KRISHNAMURTHI, B, et al., Nano- and Micro-Fillers for Polyurethane Foams: Effect on Density and Mechanical Properties, Symposium, September 30-October 3, 2001, pages 239-244, Polyurethanes Expo 2001, Columbus, OH	
IACI	53	NOSKER, Thomas J., et al., Fiber Orientation and Creation of Structural Plastic Lumber, Plastics Engineering, June 1999, pages 53-56	
IACI	54	BLEDZKI, Andrzej K., et al., Impact Properties of Natural Fiber-Reinforced Epoxy Foams, Journal of Cellular Plastics, Vol. 35, November 1999, pages 550-562	
IACI	55	FRISCH, K.C., et al., Hybrid IPN-Foam Composites, Cellular Polymers, Papers from a Three-day International Conference organized by Rapra Technology Limited, March 20-22, 1991	
IACI	56	SHUTOV, F.A., Excerpts from Integral/Structural Polymer Foams: Technology, Properties and Applications, 1986, Pages including preface, 3-4, 8-9, 13, 23-25, 131-134, 153-158, 167, 171, 176-179, 256	
IACI	57	KLEMPNER, D., ed., et al., Excerpts from Handbook of Polymeric Foams and Foam Technology, 2d ed., 2004, pages 121-124, 126, 128, 129, Hanser Publishers, Munich	
IACI	58	RANDALL, D., ed., et al., Excerpts from "The polyurethanes book", 2002, pages 1, 166-167, 210-213, 229-231, 263-264, Dunholm Publicity Ltd., United Kingdom	
IACI	59	WOODS, G., Excerpts from "The ICI Polyurethanes Book", 1987, pages 119-120, 127, 135-140, 158-159, The Netherlands	
IACI	60	WYPYCH, G., Excerpts from "Fillers", 1993, pages 4, 48, 57, ChemTech Publishing, Ontario Canada	
IACI	61	ELIAS, H., Excerpts from "An Introduction to Polymer Science", 1997, pages 408-409, VCH Publishers, Inc., New York, NY	
IACI	62	CHAWLA, K. K., Excerpts from "Composite Materials: Science and Engineering", 1987, pages 89-92, Spring Verlag, New York, NY	
	<del>63</del>	<del>OSI SPECIALTIES, "Fomrez Tin Catalysts", 3 pages</del>	
IACI	64	National Center for Environmental Research and Quality Assurance, Office of Research and Development, U.S. Environmental Protection Agency, Abstract of "The Use of Multi-Component Waste Products for Use in Roofing Materials," May 9, 1998	
IACI	65	Energy Efficient Building Products from Waste Materials, Development and Demonstration Project, Proposal, September 10, 1999, NYS Energy Research & Development Authority	

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
<b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/764,012
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
(Multiple sheets used when necessary)	Examiner	Alicia Chevalier
SHEET 4 OF 4	Attorney Docket No.	CBOARD.001A

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
/AC/	66	Foamed Recyclables: New Process Efficiently Transforms Solid Waste into Synthetic Building Materials, January 2002, United States Department of Energy, Office of Industrial Technologies, Inventions and Innovations Program	
	67	"PVC Double Wall Corrugated Pipe Manufacturing Plant", Korea Association of Machinery Industry	
/AC/	68	"Achieving a Wood Grain Finish Effect," dated December 11, 2003, <a href="http://www.sculpt.com/technogtes/woodgrainfinish.htm">http://www.sculpt.com/technogtes/woodgrainfinish.htm</a>	

2878429/082806

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
<b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.



<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Multiple sheets used when necessary)	Application No.	10/764,012
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
	Examiner	Alicia Chevalier
SHEET 1 OF 4		Attorney Docket No. CBOARD.001A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
/AC/	1	3,466,705	09-16-1969	Richie	
	2	3,644,168	02-22-1972	Bonk et al.	
	3	3,830,776	08-20-1974	Carlson et al.	
	4	3,917,547	11-04-1975	Massey	
	5	3,991,005	11-09-1976	Wallace	
	6	4,065,410	12-27-1977	Schäfer et al.	
	7	4,092,276	05-30-1978	Narayan	
	8	4,165,414	08-21-1979	Narayan et al.	
	9	4,210,572	07-01-1980	Herman et al.	
	10	4,221,877	09-09-1980	Cuscurida et al.	
	11	4,247,656	01-27-1981	Janssen	
	12	4,248,975	02-03-1981	Satterly	
	13	4,256,846	03-17-1981	Ohasi et al.	
	14	4,260,538	04-07-1981	Iseler et al.	
	15	4,275,033	06-23-1981	Schulte et al.	
	16	4,300,776	11-17-1981	Taubenmann	
	17	4,331,726	05-25-1982	Cleary	
	18	4,366,204	12-28-1982	Briggs	
	19	4,367,259	01-04-1983	Fulmer et al.	
	20	4,390,581	06-28-1983	Cogswell et al.	
	21	4,395,214	07-26-1983	Phipps et al.	
	22	4,576,718	03-18-1986	Reischl et al.	
	23	4,597,927	07-01-1986	Zeitler et al.	
	24	4,604,410	08-05-1986	Altenberg	
	25	4,649,162	03-10-1987	Roche et al.	
	26	4,780,484	10-25-1988	Schubert et al.	
/AC/	27	4,795,763	01-03-1989	Gluck et al.	

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>SUPPLEMENTAL INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/764,012
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
	Examiner	Alicia Chevalier
SHEET 2 OF 4	Attorney Docket No.	CBOARD.001A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
/AC/	28	4,835,195	05-30-1989	Rayfield et al.	
	29	4,892,891	01-09-1990	Close	
	30	4,948,859	08-14-1990	Echols et al.	
	31	5,001,165	03-19-1991	Canaday et al.	
	32	5,010,112	04-23-1991	Glicksman et al.	
	33	5,091,436	02-25-1992	Frisch et al.	
	34	5,102,918	04-07-1992	Moriya	
	35	5,114,630	05-19-1992	Newman et al.	
	36	5,149,722	09-22-1992	Soukup	
	37	5,159,012	10-27-1992	Doesburg et al.	
	38	5,296,545	03-22-1994	Heise	
	39	5,302,634	04-12-1994	Mushovic	
	40	5,369,147	11-29-1994	Mushovic	
	41	5,424,014	06-13-1995	Glorioso et al.	
	42	5,432,204	07-11-1995	Farkas	
	43	5,491,174	02-13-1996	Grier et al.	
	44	5,508,315	04-16-1996	Mushovic	
	45	5,565,497	10-15-1996	Godbey et al.	
	46	5,604,266	02-18-1997	Mushovic	
	47	5,611,976	03-18-1997	Klier et al.	
	48	5,631,103	05-20-1997	Eschbach et al.	
	49	5,783,125	07-21-1998	Bastone et al.	
	50	5,908,701	06-01-1999	Jennings et al.	
	51	5,945,460	08-31-1999	Ekar et al.	
	52	5,952,053	09-14-1999	Colby	
	53	6,040,381	03-21-2000	Jennings et al.	
/AC/	54	6,051,634	04-18-2000	Laas et al.	

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.



<b>SUPPLEMENTAL INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/764, D12
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
Examiner		Alicia Chevalier
SHEET 3 OF 4		Attorney Docket No. CBOARD.001A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
/AC/	55	6,096,401	08-01-2000	Jenkines	
	56	6,140,381	10-31-2000	Rosthauser et al.	
	57	6,211,259	04-03-2001	Borden et al.	
	58	6,224,797	05-01-2001	Franzen et al.	
	59	6,258,917	07-10-2001	Slagel	
	60	6,387,504	05-14-2002	Mushovic	
	61	6,433,032	08-13-2002	Hamilton	
	62	2002/0171164 A1	11-21-2002	Halterbaum et al.	
	63	6,541,534	04-01-2003	Allen et al.	
	64	6,555,199	04-29-2003	Jenkines	
	65	6,573,309	06-03-2003	Reitenbach et al.	
	66	2003/0158365 A1	08-21-2003	Brauer et al.	
	67	6,695,902	02-24-2004	Hemmings et al.	
	68	6,706,774	03-16-2004	Münzenberger et al.	
	69	2004/0121161 A1	06-24-2004	Shugert et al.	
	70	6,989,123	01-24-2005	Lee et al.	
	71	2005/0079339 A1	04-14-2005	Riddle	
	72	6,881,764	04-19-2005	Doesburg et al.	
	73	6,903,156	06-07-2005	Müller et al.	
	74	6,916,863	07-12-2005	Hemmings et al.	
/AC/	75	2005/0171243 A1	08-04-2005	Hemmings et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
/AC/	76	DE 2351844A	04-17-1975	Bayer AG		Abstract only
/AC/	77	JP355080456 A	06-17-1980	Mizuno et al.		Abstract only
/AC/	78	WO 97/011114 A1	03-27-1997	Prutkin et al.		

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/764,012
	Filing Date	January 23, 2004
	First Named Inventor	Wade Brown
	Art Unit	1772
	Examiner	Alicia Chevalier
SHEET 4 OF 4	Attorney Docket No.	CBOARD.001A

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
/AC/	79	WO 98/08893 A1	05-05-1998	Jenkins		
	80	WO 99/39891	08-12-1999	Watanabe et al.		
	81	KR 2002086327 A	11-18-2002	Kye		Abstract only
/AC/	82	WO 04/113248 A2	06-20-2003	Kuizenga		

2631172/knr  
052506

Examiner Signature	/Alicia Chevalier/	Date Considered	07/23/2007
<b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.